

Title (en)

Power amplifying circuit and high-frequency module

Title (de)

Leistungsverstärkungsschaltung und Hochfrequenzmodul

Title (fr)

Circuit d'amplification de puissance et module haute fréquence

Publication

EP 2592749 B1 20140625 (EN)

Application

EP 12190502 A 20121030

Priority

JP 2011245131 A 20111109

Abstract (en)

[origin: EP2592749A1] A high-frequency module having a power amplifying circuit includes a high-frequency power amplifying element, a matching circuit, and a driving power-supply circuit. The high-frequency power amplifying element includes a high-frequency amplifying circuit and a directional coupler. A first end of a main line of the directional coupler is connected to an output terminal of a latter-stage amplifying circuit of the high-frequency amplifying circuit. A second end of the main line of the directional coupler is connected through an output matching circuit to a high-frequency signal output terminal of the high-frequency power amplifying element. The output terminal of the latter-stage amplifying circuit is also connected to a second driving power-supply voltage application terminal of the high-frequency power amplifying element. The second driving power-supply voltage application terminal is connected to the high-frequency signal output terminal by a connecting conductor.

IPC 8 full level

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CPC (source: EP US)

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